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Product datasheet for TA326382

Sodium Iodide Symporter (SLC5A5) Mouse Monoclonal Antibody [Clone ID: 14F]

Product data:

Product Type:	Primary Antibodies
Clone Name:	14F
Applications:	WB
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mannose binding protein hNIS fusion (AA468-643)
Formulation:	PBS pH7.4, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	solute carrier family 5 member 5
Database Link:	NP_000444 Entrez Gene 114479 MouseEntrez Gene 114613 RatEntrez Gene 6528 Human Q92911
Background:	The sodium iodide symporter (NIS) is an ion pump that actively transports iodide across the basolateral membrane into thyroid epithelial cells . This is important step in the process of iodide organificaton and the formation of triiodothyronine and thyroxine .
Synonyms:	NIS; TDH1
Note:	Apparent mol. wt of 97kD, non-glycosylated version at 68kD. Other minor bands associated with hNIS at160 kDa, and degradation products at ~30 kDa, and ~15kDa.
Protein Families:	Druggable Genome, Transmembrane

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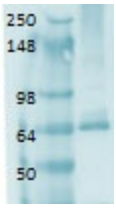
Product images:



Western blot analysis of Sodium Iodide Symporter, Clone 14F, tested on human thyroid lysate, using a 1:1000 dilution of the antibody